

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-9 (canceled).

10. (withdrawn): A method for producing a light alloy wheel for a vehicle, said light alloy wheel comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0° , said method comprising using a casting apparatus comprising a die assembly comprising at least a stationary lower die and a movable upper die, a movable platen to which said upper die is fixed, and one cylinder mounted onto a frame of said apparatus for moving said movable platen; and driving said cylinder to slowly reduce the clamping force of said lower die and said upper die.

11. (withdrawn): The method for producing a light alloy wheel for a vehicle according to claim 10, wherein a piston-lowering hydraulic pressure of said cylinder is reduced to zero over a time period of 0.05 seconds or more while a constant piston-elevating hydraulic pressure is applied to said cylinder, to slowly reduce said die-clamping force.

12. (withdrawn): A method for producing a light alloy wheel for a vehicle, said light alloy wheel comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0° , said method comprising using a casting apparatus comprising a die assembly comprising at least a stationary lower die and a movable upper die, a movable platen to which said upper die is fixed, and a first cylinder and at least three synchronous second cylinders both mounted onto a frame of said apparatus for moving said movable platen; synchronously driving said second cylinders to elevate said movable platen in parallel from a position at which said lower die and said upper die are clamped to a position at which said wheel would not impinge on said lower die even if said movable platen were slanted; and then further elevating said movable platen by said first cylinder.

13. (withdrawn): A method for producing a light alloy wheel for a vehicle, said light alloy wheel comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0° , said method comprising using a casting apparatus comprising a die assembly comprising at least a stationary lower die and a movable upper die, a movable platen to which said upper die is fixed, a first cylinder and at least three synchronous second cylinders mounted onto a frame of said apparatus for moving said movable platen; driving said first cylinder to slowly reduce the clamping force of said lower die and said upper die; synchronously driving said second cylinders to elevate said movable platen in parallel from

a position at which said lower die and said upper die are clamped to a position at which said wheel would not impinge on said lower die even if said movable platen were slanted; and then further elevating said movable platen by said first cylinder.

14. (withdrawn): The method for producing a light alloy wheel for a vehicle according to claim 13, wherein a piston-lowering hydraulic pressure of said first cylinder is reduced to zero over a time period of 0.05 seconds or more while a constant piston-elevating hydraulic pressure is applied to said first cylinder, to slowly reduce said die-clamping force.

15. (withdrawn): The method for producing a light alloy wheel for a vehicle according to claim 12, wherein said second cylinders are four hydraulic cylinders arranged at symmetric positions.

16. (withdrawn): The method for producing a light alloy wheel for a vehicle according to claim 10, wherein a die-cast dent portion having at least partially a taper angle of less than 5.0° is formed on the rear side of each spoke portion.

17. (withdrawn): An apparatus for producing a light alloy wheel for a vehicle, said light alloy wheel comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least

partially taper angles of less than 5.0° , said apparatus comprising a die assembly comprising at least a stationary lower die and a movable upper die, a movable platen to which said upper die is fixed, and a vertical movement mechanism of said movable platen mounted onto a frame of said casting apparatus; said vertical movement mechanism comprising (a) a first cylinder for moving said movable platen up and down, and (b) at least three second cylinders synchronously driven for elevating said movable platen in parallel from a position at which said lower die and said upper die are clamped to a position at which said wheel would not impinge on said lower die even if said movable platen were slanted; and said movable platen being elevated by said first cylinder above the upper limit position of said second cylinders.

18. (withdrawn): The apparatus for producing a light alloy wheel for a vehicle according to claim 17, wherein said first cylinder slowly reduces the clamping force of said lower die and said upper die during the process of opening said die assembly.

19. (withdrawn): The apparatus for producing a light alloy wheel for a vehicle according to claim 18, wherein a piston-lowering hydraulic pressure of said first cylinder is reduced to zero over a time period of 0.05 seconds or more while a constant piston-elevating hydraulic pressure is applied to said first cylinder, to slowly reduce the die-clamping force.

20. (withdrawn): The apparatus for producing a light alloy wheel for a vehicle according to claim 17, wherein said second cylinders are four hydraulic cylinders arranged at symmetric positions of said frame.

21. (withdrawn): The apparatus for producing a light alloy wheel for a vehicle according to claim 17, wherein a die-cast dent portion having at least partially a taper angle of less than 5.0° is formed on the rear side of each spoke portion.

22. (currently amended): A light alloy wheel for a vehicle integrally cast by a low-pressure casting method comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0° and at least part of said spoke portions having a dendrite, and having no scratch and deformation on said design portion.

Claim 23 (canceled).

24. (previously presented): The light alloy wheel for a vehicle according to claim 22, wherein a substantially as-die-cast dent portion having at least partially a taper angle of less than 5.0° is formed on the rear side of each spoke portion.

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Claim 25 (canceled).

26. (previously presented): The light alloy wheel for a vehicle according to claim 22, wherein those having a taper angle of less than 5.0° among said spoke portions have a minimum width of 5 mm or less and a height of 20 mm or more.

Claim 27 (canceled).

28. (previously presented): The light alloy wheel for a vehicle according to claim 22, wherein said spoke portions have a taper angle of 4.0° or less.

Claim 29 (canceled).

30. (previously presented): The light alloy wheel for a vehicle according to claim 22, wherein said spoke portions have a taper angle of 3.5° or less.

Claim 31 (canceled).

32. (previously presented): The light alloy wheel for a vehicle according to claim 22, wherein at least part of said spoke portions have a DAS value of less than 30 μm .

Claim 33 (canceled).

34. (currently amended): ~~The A~~ light alloy wheel for a vehicle ~~according to claim 22~~ comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0° and at least part of said spoke portions having a dendrite, wherein the maximum DAS value of said rim portion is larger than the DAS value of said hub portion.

35. (currently amended): ~~The A~~ light alloy wheel for a vehicle ~~according to claim 23~~ integrally cast by a low-pressure casting method comprising a disc portion comprising a hub portion and a design portion and a rim portion, said design portion having substantially as-die-cast spoke portions having at least partially taper angles of less than 5.0°, wherein the maximum DAS value of said rim portion is larger than the DAS value of said hub portion.